AMENDMENT TO THE CLAIMS

- 1. (currently amended) A disc stabilization system, comprising:
 - a spinning disc having a disc surface that is deflectable by a shock;
 - a gas fluid layer spinning adjacent the disc surface;
 - a wing feature including an aerodynamic surface positioned proximate the gas fluid layer, which generates an aerodynamic force on the disc surface; and
 - a strut supporting that is substantially non-rotatable and that supports the wing feature over the disc surface in a position such that the aerodynamic force increases as the disc surface deflects toward the aerodynamic surface.
- 2.(original) The disc stabilization system of Claim 1 wherein the aerodynamic surface is supported by the strut to be less deflectable by the shock than the disc surface.
- 3. (cancelled)
- 4. (original) The disc stabilization system of Claim 1 wherein the disc surface deflects in an oscillatory motion due to the shock, and the aerodynamic force damps the oscillatory motion.
- 5. (currently amended) The disc stabilization system of Claim 1 wherein the spinning disc includes a second disc surface opposite the disc surface, and further comprises:
 - a second gas fluid layer spinning adjacent the second disc surface;
 - a second wing feature including a second aerodynamic surface positioned proximate the second gas fluid layer, which generates a second aerodynamic force on the second disc surface; and

- a second strut supporting that is substantially nonrotatable and that supports the second wing feature over the second disc surface such that the second aerodynamic force increases as the disc surface deflects toward the second aerodynamic surface.
- 6. (original) The disc stabilization system of Claim 1 wherein the spinning disc includes a second disc surface opposite the disc surface, and further comprises:
 - a head flying over the second disc surface opposite aerodynamic surface.
- 7. (original) The disc stabilization system of Claim 1 wherein the disc comprises a data storage medium.
- 8.(original) The disc stabilization system of Claim 1 wherein the wing feature is shaped to provided a desired ground effect force on the disc surface.
- 9. (original) The disc stabilization system of Claim 1 wherein the aerodynamic force reduces coning of the spinning disc.
- 10. (currently amended) A method of stabilizing a spinning disc, comprising:
 - spinning a disc that has a disc surface that is deflectable by a shock, thereby driving a gas fluid layer adjacent the disc surface to spin;
 - providing a wing feature with an aerodynamic surface that interacts with the gas fluid layer to generate an aerodynamic force on the disc surface; and
 - supporting the wing feature over the disc surface with a strut that is substantially non-rotatable in a position

where the aerodynamic force increases as the disc surface deflects toward the aerodynamic surface.

- 11.(original) The method of Claim 10 further comprising:
 supporting the aerodynamic surface to be less deflectable
 than the disc surface.
- 12.(cancelled)
- 13.(original) The method of Claim 10 further comprising:
 damping an oscillatory motion of the disc surface with the
 aerodynamic force.
- 14.(currently amended) The method of Claim 10 wherein the spinning disc includes a second disc surface opposite the disc surface, and the method further comprises:
 - spinning a second gas fluid layer adjacent the second disc surface;
 - providing a second wing feature including a second aerodynamic surface positioned proximate the second gas fluid layer, which generates a second aerodynamic force on the second disc surface; and
 - providing a second strut that is substantially non-rotatable and supporting the second wing feature over the second disc surface such that the second aerodynamic force increases as the disc surface deflects toward the second aerodynamic surface.
- 15.(original) The method of Claim 10 wherein the spinning disc includes a second disc surface opposite the disc surface, and the method further comprises:
 - flying a head over the second disc surface opposite the aerodynamic surface.

- 16. (original) The method of Claim 10 wherein the disc comprises a data storage medium.
- 17. (original) The method of Claim 10 further comprising: shaping the wing feature to provided a desired ground effect force.
- 18. (original) The method of Claim 10 further comprising: reducing coning of the spinning disc with the aerodynamic force.
- 19. (currently amended) A disc stabilization system, comprising:
 a spinning disc having a disc surface that is deflectable by
 a shock;
 - a gas fluid layer spinning adjacent the disc surface; and means for interacting with the disc surface to provide an aerodynamic force to the disc surface that increases as the disc surface deflects toward the aerodynamic surface, the means for interacting with the disc surface being non-rotatable.
- 20. (original) The disc stabilization system of Claim 19 wherein the disc comprises a data storage medium.
- 21. (original) The disc stabilization system of Claim 19 wherein the means for interacting is shaped to provided a desired ground effect force on the disc surface.
- 22. (original) The disc stabilization system of Claim 19 wherein the aerodynamic force reduces coning of the spinning disc.

- --23.(new) The disc stabilization system of Claim 1 wherein the aerodynamic force is a non-linear function of a spacing between the disc surface and wing feature.
- 24. (new) The disc stabilization system of Claim 19 wherein the aerodynamic force is a non-linear function of a spacing between the disc surface and wing feature.--